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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,328	09/11/2003	Chien-An Chen	LEE0019-US	3779
7590	05/03/2006		EXAMINER PARRIES, DRU M	
Michael D. Bednarek Shaw Pittman LLP 1650 Tysons Boulevard McLean, VA 22102			ART UNIT	PAPER NUMBER
			2836	

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/659,328

Applicant(s)

CHEN, CHIEN-AN

Examiner

Dru M. Parries

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3-9-04</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (6,577,513) and Qian et al. (6,314,002). Chang teaches a power supply circuit having an AC input terminal (AC), an output terminal (left of 19), a first switch (12), an AC/DC converter (13), a DC/DC converter (18), and a battery (15). Chang teaches, in normal mode, the control circuit controlling the first switch to be closed and leaves the DC/DC converter deactuated. He goes on to teach in a second mode, when the AC input is not detected, the control circuit signals the first switch to open and to actuate the DC/DC converter to supply voltage from the battery to the output terminal (Col. 2, lines 42-47, 55-62). Chang fails to teach the inner workings of the DC/DC converter. Qian teaches a DC/DC converter with an active switch (Col. 4, lines 26-30). It would have been obvious to one of ordinary skill in the art at the time of the invention to have Chang's DC/DC converter have the inner workings of Qian's DC/DC converter since Chang is silent as to what the circuitry of the DC/DC converter looks like and Qian's is known in the art.
3. Claims 2 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (6,577,513) and Qian et al. (6,314,002) as applied to claims 1 and 3 above, and further in view of Sakai et al. (5,905,914). Chang and Qian teach a power supply circuit as described above. Chang fails to explicitly teach the second mode as the power saving mode. Sakai teaches

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a power supply system with an AC input and a backup battery supplying a load. Sakai also teaches that when the AC input is absent, and the battery is supplying the power to the load, the system is said to be in the power saving mode (Col. 2, lines 42-50). It would have been obvious to one of ordinary skill in the art at the time of the invention to call the second mode of Chang's invention the power saving mode since Chang is silent as to a specific name for that mode and Sakai teaches an analogous example where it is called the power saving mode.

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (6,577,513) and Qian et al. (6,314,002) as applied to claim 3 above, and further in view of Lavin et al. (5,289,045). Chang and Qian teach a power supply circuit as described above. Chang fails to explicitly teach the type of load being powered. Lavin teaches a power supply system supplying an AC output voltage to a video monitor (Col. 2, lines 61-63). It would have been obvious to one of ordinary skill in the art at the time of the invention to have the load in Chang's system be a video monitor since Chang was silent as to what the load of his system was and Lavin shows a UPS system supplying AC output power to a video monitor.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (6,577,513) and Qian et al. (6,314,002) as applied to claim 3 above, and further in view of Quori (2002/0105624). Chang and Qian teach a power supply circuit as described above. Chang fails to explicitly teach the type of load being powered. Quori teaches a power supply system supplying an AC output voltage to a video projector (last three lines of [0031]). It would have been obvious to one of ordinary skill in the art at the time of the invention to have the load in Chang's system be a video projector since Chang was silent as to what the load of his system was and Quori shows a system supplying AC output power to a video projector.

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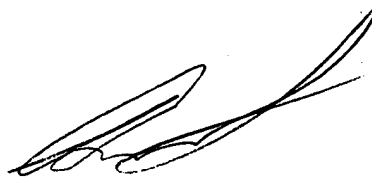
***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dru M. Parries whose telephone number is (571) 272-8542. The examiner can normally be reached on Monday -Thursday from 8:00am to 5:00pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus, can be reached on 571-272-2800 x 36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DMP

4-20-2006



**BRIAN SIRCUS  
SUPERVISORY PATENT EXAMINER  
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